



2011 Career Counselor and Welding Educator Workshop

November 14, 2011 • 8:00am – 5:00pm • Chicago, IL – McCormick Place

Career Counselors and Welding Educators play a key role in training the next generation of welding professionals and guiding students in their career paths into the welding industry. The welding industry is in continued need of knowledgeable and skilled professionals at all levels including welders, engineers, supervisors, inspectors, educators, sales peoples and executives. There are many opportunities for graduates to advance within this field. This workshop will supply Career Counselors and Welding Educators with the information and tools necessary to convey the benefits of a career in the welding industry to the students they interact with on a daily basis. The workshop will also serve to alert Career Counselors and Welding Educators to the free counseling and educational tools and resources available through AWS.

The objective of the workshop is to provide Career Counselors and Welding Educators with information concerning AWS Overview and the Role of AWS in Supporting the Welding Industry

- Education, Certification and Scholarship Programs within AWS
- The Importance of Welding to the US Economy
- The Shortages of Welders and Welding Professionals
- Careers in the Welding Industry
- The New Image of Welding

In addition, representatives from AWS, the welding industry and trade unions will make short presentations on career paths and job opportunities. The workshop will conclude with a walking tour of exhibits on the show floor that will emphasize new, high-tech topics in welding including welding robots, friction stir welding, and laser welding and cutting. Career Counselors and Welding Educators will receive free registration to the workshop and exhibit floor. Participants will also receive a certificate from AWS for 4 (four) Professional Development Hours (PDH) for attending the workshop.

Schedule

10:30am – 10:35am	Introduction, T.J. Lienert, LANL & AWS Education Committee
10:35am – 11:15am	Presentation on AWS, T.J. Lienert, LANL & AWS Education Committee
11:15am – 11:30am	AWS Foundation & Weld-Ed, Monica Pfarr, American Welding Society
11:30am – 12:00pm	Career Paths in Welding, Career Path Speakers*
12:00pm – 1:00pm	Lunch Not Provided
1:00pm – 1:15pm	Q & A / Panel Discussion
1:15pm – 2:45pm	Career Paths in Welding, Career Path Speakers*
2:45pm – 3:00pm	Break
3:00pm – 3:30pm	Q & A / Panel Discussion
3:30pm – 3:50pm	Lincoln Tour
3:50pm – 4:10pm	Miller Tour
4:10pm – 4:30pm	ESAB Tour
4:30pm – 4:50pm	IPG Laser Tour

*Career Path Speakers

Name	Affiliation
Ernest Levert	Lockheed-Martin Co.
Richard Seif	Lincoln Electric (Retired)
Ed Abbott	Ironworkers International
Rick Polanin	Illinois Central College
Pierrette Gorman	Sandia National Laboratories
Ronny Vanscoy	International Boilermakers
Bruce Albrecht	Miller Electric
Jerry Uttrachi	WA Technology, LLC





The AWS Education Committee along with the AWS Education Services Department would like to invite you to attend our Education Annual Program during the AWS show in Chicago, IL. Whether you are a seasoned veteran or, new to welding education, this riveting program will present relevant technical information, best practices, and new techniques from leading welding educators, and well as provide opportunities for collaboration and networking. We are confident that you will find this program beneficial both individually and professionally.

Topics in Welding Education

Monday Nov 14, 2011

- 8:00am – 9:00am **Using Practical Welding Metallurgy Object Lessons,**
Larry Zirker, Idaho National Laboratory
- 9:00am – 10:00am **Common Errors in Applying ANSI/AWS A2.4 Welding Symbols,**
J.P. Christein, Huntington Ingalls Industries

Lectures in Welding Education

Tuesday, Nov 15, 2011

- 10:30am – 12:00pm **Plummer Memorial Award Lecture** – Tim Lawrence, SkillsUSA
- 12:00pm – 1:30pm **Award Luncheon**
- 1:30pm – 2:30pm **Adams Memorial Membership Award Lecture** – Prof. Bryan A. Chin, Auburn University
- 2:30pm – 3:30pm **Howard E. Adkins Memorial Instructor Membership Award Lecture** – Richard Hutchison, Orange Coast College
- 3:30pm – 5:00pm **Panel Discussion: Best Practices in Modern Welding Education**
Participants:
Plummer Memorial Award Winner – Tim Lawrence, SkillsUSA
Adams Memorial Membership Award Lecture Winner – Prof. Bryan A. Chin, Auburn University
Howard E. Adkins Memorial Instructor Membership Award Lecture Winner – Richard Hutchison, Orange Coast College
Ed Norman, Chairman, AWS Education Committee

Educators' Program

Wednesday, November 16, 2011

- 9:00am – 11:00am **Writing Engaging Lesson Plans Workshop** – David Hernandez, American Welding Society
- 11:00am – 12:00pm **Complying with National and State Standards** – Ed Norman, Southwest Area Career Center
- 12:00pm – 1:00pm **Lunch** – Not Provided
- 1:00pm – 2:00pm **E-learning on a Budget: Introducing Interactive Tools in the Classroom**
David Hernandez, American Welding Society
- 2:00pm – 3:00pm **Recruiting Students into Welding Programs,**
Dr. William Treasure, Idaho State University Technology Division
- 3:00pm – 4:00pm **Techniques for Developing Accurate and Fair Welding Assessments,**
Branden Muehlbrandt, Lincoln Electric Co.
- 4:00pm – 5:00pm **Developing a Welding Curriculum** – Larry Zirker, Idaho National Laboratory

Thursday, November 17, 2011

- 9:00am – 10:00am **Project and Community Based Curriculum Design,**
David Hernandez, American Welding Society
- 10:00am – 11:00am **Structuring the Welding Shop Experience** – Ed Norman, Southwest Area Career Center
- 11:00am – 12:00pm **Implementing the SENSE Program** – Ed Norman, Southwest Area Career Center

